

## SEQUENCE LISTING

### Rat TC-Gβ3 nucleotide sequence (165-17 clone)- SEQ ID NO:1

5 AACAAAAGGGCATAAAGAAAGTGGCTGGGAGGGAGCCAGGATACTAGGAGT  
GACACCTATAGTCATGGGCTGAGCGCTCTGGCCATTCCCARGCCGGACAAAG  
GCTGCTGGTAGCCCAGGAGTCATCTAGGGTGGGGAGGGTCTGTTCTTGTATTAT

### Rat G-protein beta 3 nucleotide sequence (Accession L29090) - SEQ ID NO:2

10 1 gggcgctgga gaagcgga cctgggagaa atccagctag agcccaagag ccaggactac  
61 cccttgacct gtgaacctg ggggagatgg agcagctgaa gcaggaggcg gagcagctca  
121 agaagcagat tgctgatgcc aggaagcct gtgcggacat cactctggct gagcttgtgt  
181 ctggcctgga ggtggtggga cgagtcaga tgcggacacg gaggacgta aggggacacc  
241 tggctaagat ctatgcatg cactgggcca ctgactctaa gctgctagta agtgcctcgc  
301 aggatgggaa gctgatcgtg tgggacactt acaccacaa taaggtgcat gctatcccgc  
15 361 tgcgttcctc ctgggtcatg acctgtgcct atgcaccatc agggaacttc gtggcatgtg  
421 gggggctaga taacatgtgc tcaatctaca gcctcaaac cctgagggc aatgtcaagg  
481 tcagccggga actctcggct cacacagggt atctctcctg ttgccgcttc ctggatgaca  
541 acaacattgt gactagctct ggggacacca cgtgtgcctt gtgggacatt gagacggggc  
601 agcagaagac agtgttcgtg ggacacactg gtgactgcat gaggctggct gtgtccccag  
20 661 actacaaact ctcatctcg ggagcttgtg atgccagcgc caagctctgg gatgtgaggg  
721 aagggacctg tcgccagact ttactggcc acgagtcaga catcaatgct atctgtttct  
781 ttccaatgg ggaggccatc tgactggct cagatgatgc ctctgccgc ctcttgacc  
841 tgagggcaga ccaggaaact acagcctact cccacgagag catcatctgt ggcatcacgt  
901 ccgtagcctt ctactcagt ggtgcctgc tcttgctgg ctatgatgac ttcaactgca  
25 961 atgtctggga ctctctgaag tgtgagcgtg taggcgttct ttctggccat gacaacagag  
1021 tcagttgcct ggggggtaca gctgacggca tggctgtggc cactggatcc tgggacagct  
1081 tctcaagat ctggaactga ggaggctgga ggaagaggtg ggaagccatg aaggctctca  
1141 gctgactcct atgccctgc tcttagggt cagtcttcta taccctgggg ccactcccag  
1201 taaacttct tctaaggga ggtgggatta taggagtgtg cctttgggag tagcagggtc  
30 1261 acaagggcaa agaactgcc catttctcc agggcctctc ctctccacag tctcatagc  
1321 ttctcccttc ataaacaaga acagaccctc cccaccctag atgactcctg ggctaccagc  
1381 agcgtttgtc cggcctggga atggccagag cgctcagccc atgactatag gtgtcactcc

1441 tagtatcctg gtcctctccc agcgacttcc ttctgccct ttgttctct cttattacct

1501 aataaaatgt agcatcctgg //

Rat G-protein beta 3 amino acid sequence (Accession 456704) - SEQ ID NO:3

5 1 mgemeqlkqe aeqlkkqiad arkacaditl aelvsglevv grvqmrtrt lrghlakiya  
61 mhwatdskll vsasqdgkli vwdtytnkv haiprrsswv mtcayapsgn fvacggldnm  
121 csiyslksre gnvkvsrels ahtgylsccr flddnnivts sgdtcalwd ietgqqktvf  
181 vghtgdcmsl avspdyklfi sgacdasakl wdvregtrcq tftghesdin aicffpngea  
241 ictgsddasc rlfdlradqe ltayshesii cgitsvafsl sgrllfagy d fncnvwdsi  
10 301 kcervgvlsg hdnrvsclgv tadgmavatg swdsflkiwn

Human G protein beta 3 nucleotide sequence (Accession M31328) - SEQ ID NO:4

1 gggctgatgg gggagatgga gcaactgcgt caggaagcgg agcagctcaa gaagcagatt  
61 gcagatgcca gaaaagcctg tgctgacgtt actctggcag agctggtgtc tggcctagag  
15 121 gtggtgggac gaggccagat gcggacgcgg cggacgttaa ggggacacct ggccaagatt  
181 tacgcatgc actgggccac tgattctaag ctgctggtaa gtgcctcgca agatgggaag  
241 ctgacgtgt gggacagcta caccaccaac aaggtgcacg ccatccact gcgctctcc  
301 tgggtcatga cctgtgccta tgccccatca gggaactttg tggcatgtgg ggggctggac  
361 aacatgtgtt ccatctacaa cctcaaatcc cgtgagggca atgtcaaggt cagccgggag  
20 421 ctttctgctc acacaggta tctctctgc tgccgcttcc tggatgacaa caatattgtg  
481 accagctcgg gggacaccac gtgtgccttg tgggacattg agactgggca gcagaagact  
541 gtatttgttg gacacacggg tgactgcatg agcctggctg tgtctctga cttcaatctc  
601 ttcatttcgg gggcctgtga tgccagtccc aagctctggg atgtgcgaga ggggacctgc  
661 cgtcagactt tactggcca cgagtcggac atcaacgcca tctgttctt cccaatgga  
25 721 gaggccatct gcacgggctc ggatgacgct tctgcccgt tgttgacct gcgggcagac  
781 caggagctga tctgcttctc ccacgagagc atcatctcg gcacacgtc cgtggcctc  
841 tccctcagt gccgcctact attcgtggc tacgacgact tcaactgcaa tgtctgggac  
901 tccatgaagt ctgagcgtgt gggcatctc tctggccacg ataacagggt gagctgcctg  
961 ggagtcacag ctgacgggat ggctgtggcc acaggttcct gggacagctt cctcaaatc  
30 1021 tggaactgag gaggctggag aaagggaagt ggaaggcagt gaacacactc agcagcccc  
1081 tgcccgaccc catctcattc aggtgttctc ttctatattc cgggtgccaat tcccactaag  
1141 ctttctcctt tgagggcagt ggggagcatg ggactgtgcc ttggggaggc agcatcaggg  
1201 acacaggggc aaagaactgc cccatctcct cccatggcct tcctcccca cagtcctcac

1261 agcctctccc ttaatgagca aggacaacct gccctcccc agcccttgc aggcccagca  
 1321 gacttgagtc tgaggcccca ggccctagga ttctcccc agagccacta cctttgtcca  
 1381 ggctgggtg gtatagggcg ttggccctg tgactatggc tctggcacca ctaggtcct  
 1441 ggccctcttc ttattcatgc ttctcctt ttctacctt tttctctcc taagacacct  
 5 1501 gcaataaagt gtagcacct ggt

Human G-protein beta 3 amino acid sequence (Accession 306776) - SEQ ID NO:5

1 mgemeqlrqe aeqlkkqiad arkacadvtl aelvsglevv grvqmrtrt lrghlakiya  
 61 mhwatdskll vsasqdgkli vwdsyttknv haiprswv mtcayapsgn fvacggldnm  
 10 121 csiynlksre gnvkvsrels ahtgylsccr flddnnivts sgdtcalwd ietgqqktvf  
 181 vghtgdcmsl avspdfnlfi sgacdasakl wdvregtcrq tftghesdin aicffpngea  
 241 ictgsddasc rlfldradqe licfshesii cgitsvafsl sgrllfagy d fncnvwdsm  
 301 kservgilsg hdnrvslgv tadgmavatg swdsfliwn